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1 Hypertext versioning: Automatic generation of hypertext system repositories: a model ⬛
   driven approach
   E. James Whitehead, Guozheng Ge, Kai Pan
   August 2004 **Proceedings of the fifteenth ACM conference on Hypertext and**
              hypermedia HYPERTEXT '04
   Publisher: ACM Press

   Full text available: 📄 pdf(593.73 KB)   Additional Information: full citation, abstract, references, citings, index terms

   In this paper, we present a model-driven methodology and toolset for automatic
   generation of hypertext system repositories. Our code generator, called Bamboo, is based
   on a Containment Modeling Framework (CMF) that uniformly describes data models for
   hypertext systems. CMF employs a lightweight modeling approach in which entities
   (system abstractions) and containment relationships are used to model hypertext system
   repositories. Given a description of a system repository data model using CMF, as ...

   Keywords: automatic code generation, containment modeling framework, hypertext data
   models, model-driven development, open hyperbase

2 Model checking XML manipulating software   ⬛
   Xiang Fu, Tevfik Bultan, Jianwen Su
   July 2004 **ACM SIGSOFT Software Engineering Notes , Proceedings of the 2004 ACM**
             SIGSOFT international symposium on Software testing and analysis ISSTA
             '04, Volume 29 Issue 4
   Publisher: ACM Press

   Full text available: 📄 pdf(199.58 KB)   Additional Information: full citation, abstract, references, citings, index terms

   The use of XML as the de facto data exchange standard has allowed integration of
   heterogeneous web based software systems regardless of implementation platforms and
   programming languages. On the other hand, the rich tree-structured data representation,
   and the expressive XML query languages (such as XPath) make formal specification and
   verification of software systems that manipulate XML data a challenge. In this paper, we
   present our initial efforts in automated verification of XML data manipul ...

   Keywords: MSL, SPIN, XML, XML schema, XPath, model checking, promela, web service